

WHAT IS CLAIMED IS:

1. A heat sublimatic printer comprising:  
a battery whose rated voltage is 14.4 V;  
a thermal head provided with a plurality of heating elements whose resistances range from 2650  $\Omega$  to 2990  $\Omega$ , and used to print an image on paper according to image data; and  
a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.
2. A heat sublimatic printer comprising:  
a battery whose rated voltage is 14.8 V;  
a thermal head provided with a plurality of heating elements whose resistances range from 2800  $\Omega$  to 3160  $\Omega$ , and used to print an image on paper according to image data; and  
a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.
3. A heat sublimatic printer comprising:  
a battery whose rated voltage is 15.2 V;  
a thermal head provided with a plurality of heating

elements whose resistances range from 2950  $\Omega$  to 3340  $\Omega$ , and used to print an image on paper according to image data; and

a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

4. A heat sublimatic printer comprising:

a battery offering a rated voltage of 14.4 V and being freely attachable or detachable to or from a housing of said heat sublimatic printer;

a thermal head incorporated in said housing, provided with a plurality of heating elements whose resistances range from 2650  $\Omega$  to 2990  $\Omega$ , and used to print an image on paper according to image data;

a control circuit, incorporated in said housing, for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

5. A heat sublimatic printer comprising:

a battery offering a rated voltage of 14.8 V and being freely attachable or detachable to or from a housing of said heat sublimatic printer;

a thermal head incorporated in said housing, provided

with a plurality of heating elements whose resistances range from 2800  $\Omega$  to 3160  $\Omega$ , and used to print an image on paper according to image data;

a control circuit, incorporated in said housing, for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

6. A heat sublimatic printer comprising:

a battery offering a rated voltage of 15.2 V and being freely attachable or detachable to or from a housing of said heat sublimatic printer;

a thermal head incorporated in said housing, provided with a plurality of heating elements whose resistances range from 2950  $\Omega$  to 3340  $\Omega$ , and used to print an image on paper according to image data;

a control circuit, incorporated in said housing, for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

7. The heat sublimatic printer according to any of Claims 1 to 6, wherein said battery has four lithium-ion secondary cells connected in series with one another.

8. A heat sublimatic printer comprising:

a thermal head provided with a plurality of heating elements whose resistances range from 2650  $\Omega$  to 2990  $\Omega$ , and used to print an image on paper according to image data; and

a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

9. A heat sublimatic printer comprising:

a thermal head provided with a plurality of heating elements whose resistances range from 2800  $\Omega$  to 3160  $\Omega$ , and used to print an image on paper according to image data; and

a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically conducting said thermal head.

10. A heat sublimatic printer comprising:

a thermal head provided with a plurality of heating elements whose resistances range from 2950  $\Omega$  to 3340  $\Omega$ , and used to print an image on paper according to image data; and

a control circuit for applying a supply voltage developed from said battery to said thermal head without boosting it, and controlling the timing of electrically

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conducting said thermal head.